

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (withdrawn) An extendable computer system comprising:

5 a motherboard for maintaining the functionality of the computer system, the motherboard comprising:  
a system chipset for supporting a specification of a first interface;  
at least one first standard communication interface slot electrically connected  
10 to the system chipset for electrically connecting at least one peripheral  
device to the computer system; and  
a first extending port electrically connected to the system chipset for  
extending functionality of the motherboard; and  
an extended board capable of electrically connecting to the motherboard for  
extending the functionality of the computer system, the extended board  
15 comprising:  
a second extending port capable of electrically connecting to the first  
extending port for electrically connecting the extended board to the  
system chipset of the motherboard, wherein at least one end of the  
second extending port is in accordance with the specification of the  
20 first interface; and  
at least one second standard communication interface slot electrically  
connected to the at least one end of the second extending port for  
electrically connecting at least one peripheral device to the computer  
system, wherein the at least one second standard communication  
25 interface slot is in accordance with the specification of the first  
interface.

2. (withdrawn) The computer system of claim 1 wherein the first interface is a PCI Express interface.
3. (withdrawn) The computer system of claim 1 wherein the system chipset is a North Bridge chipset or a South Bridge chipset.
4. (withdrawn) The computer system of claim 1 wherein the extending ports consist of a Golden Finger Slot and a matched Golden Finger, and the extended board and the motherboard are aligned in the same plane through the connection of the extending ports.
5. (currently amended) An extendable computer system comprising:
  - a motherboard for maintaining the functionality of the computer system, the motherboard comprising:
    - a system chipset for supporting a specification of a first interface;
    - at least one first standard communication interface slot electrically connected to the system chipset for electrically connecting at least one peripheral device to the computer system; and
    - a first extending port electrically connected to the system chipset for extending functionality of the motherboard, the first extending port comprising at least one first monitoring end electrically connected to the system chipset of the computer system for transmitting at least one Hot-Plug/Power Switch monitoring signal; and
  - an extended board capable of electrically connecting to the motherboard for extending the functionality of the computer system, the extended board comprising:
    - a second extending port capable of electrically connecting to the first extending port for electrically connecting the extended board to the

system chipset of the motherboard, wherein at least one end of the second extending port is in accordance with the specification of the first interface;

5 a second interface converter electrically connected to the at least one end of the second extending port for converting the first interface into a second interface; [[and]]

10 at least one second standard communication interface slot electrically connected to the second interface converter for electrically connecting at least one peripheral device to the computer system, wherein the at least one second standard communication interface slot is in accordance with the specification of the second interface; and

15 at least one switching circuit, for performing Hot-Plug control and power management of the at least one second standard communication interface slot, electrically connected to:

the second interface converter and the at least one second standard communication interface slot; and

the at least one first monitoring end through at least one second monitoring end of the second extending port;

20 wherein the second interface converter is capable of controlling the at least one switching circuit with a protocol of the second interface to switch on or switch off the protocol, data signals, and power of the at least one second standard communication interface slot.

6. (canceled).

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7. (currently amended) The computer system of ~~claim 6~~ claim 5 wherein the power management system chipset is a South Bridge chipset.

8-9. (canceled).

10. (original) The computer system of claim 5 wherein the first interface is a PCI Express interface, the second interface is a PCI-X interface, and the second interface 5 converter is a PCI Express/PCI-X interface converter.

11. (original) The computer system of claim 10 wherein the system chipset is a North Bridge chipset or a South Bridge chipset.

10 12-14. (canceled).

15. (withdrawn) An extendable computer system comprising:  
a motherboard for maintaining the functionality of the computer system, the  
motherboard comprising:  
15 a system chipset for supporting a specification of a first interface;  
at least one first standard communication interface slot electrically connected  
to the system chipset for electrically connecting at least one peripheral  
device to the computer system; and  
a first extending port electrically connected to the system chipset for  
20 extending functionality of the motherboard; and  
an extended board capable of electrically connecting to the motherboard for  
extending the functionality of the computer system, the extended board  
comprising:  
a second extending port capable of electrically connecting to the first  
25 extending port for electrically connecting the extended board to the  
system chipset of the motherboard, wherein at least one end of the  
second extending port is in accordance with the specification of the  
first interface;

a second interface converter electrically connected to the at least one end of the second extending port for converting the first interface into a second interface;

5 a third interface converter electrically connected to the second interface converter for converting the second interface into a third interface; and

10 at least one third standard communication interface slot electrically connected to the third interface converter for electrically connecting at least one peripheral device to the computer system, wherein the at least one third standard communication interface slot is in accordance with the specification of the third interface.

16. (withdrawn) The computer system of claim 15 wherein the third interface converter is a RAID controller or a SCSI controller.

15 17. (withdrawn) The computer system of claim 15 wherein the first interface is a PCI Express interface, the second interface is a PCI-X interface, and the second interface converter is a PCI Express/PCI-X interface converter.

18. (withdrawn) The computer system of claim 15 wherein the extending ports consist 20 of a Golden Finger Slot and a matched Golden Finger, and the extended board and the motherboard are aligned in the same plane through the connection of the extending ports.

19. (withdrawn) The computer system of claim 15 wherein the extended board further 25 comprises:

at least one switching circuit electrically connected to the third interface converter and the at least one third standard communication interface slot for performing Hot-Plug control and power management of the at least one third

standard communication interface slot, and  
at least one switching button electrically connected to the at least one switching  
circuit for controlling the at least one switching circuit to switch on or switch  
off the protocol, data signals, and power of the at least one third standard  
5 communication interface slot.

20. (withdrawn) The computer system of claim 15 wherein the first extending port  
further comprises at least one first power management end set electrically  
connected to the power management chipset of the computer system for  
10 transmitting at least one power management signal and at least one monitoring  
signal and the extended board further comprising:  
at least one switching circuit, for performing Hot-Plug control and power  
management of the at least one third standard communication interface slot,  
electrically connected to:  
15 the third interface converter and the at least one third standard  
communication interface slot; and  
the at least one first power management end set through at least one second  
power management end set of the second extending port;  
wherein the power management chipset is capable of controlling and monitoring  
20 the Hot-Plug control and the power management of the at least one third standard  
communication interface slot with the at least one switching circuit, and the third  
interface converter is capable of controlling the at least one switching circuit with a  
protocol of the third interface to switch on or switch off the protocol and data  
signals of the at least one third standard communication interface slot when  
25 receiving the at least one power management signal.

21. (new) An extendable computer system comprising:  
a motherboard for maintaining the functionality of the computer system, the

motherboard comprising:

a system chipset for supporting a specification of a first interface;

5 at least one first standard communication interface slot electrically connected to the system chipset for electrically connecting at least one peripheral device to the computer system; and

a first extending port electrically connected to the system chipset for extending functionality of the motherboard; and

10 an extended board capable of electrically connecting to the motherboard for extending the functionality of the computer system, the extended board comprising:

15 a second extending port capable of electrically connecting to the first extending port for electrically connecting the extended board to the system chipset of the motherboard, wherein at least one end of the second extending port is in accordance with the specification of the first interface;

a second interface converter electrically connected to the at least one end of the second extending port for converting the first interface into a second interface;

20 at least one second standard communication interface slot electrically connected to the second interface converter for electrically connecting at least one peripheral device to the computer system, wherein the at least one second standard communication interface slot is in accordance with the specification of the second interface;

25 a third interface converter electrically connected to the second interface converter for converting the second interface into a third interface; and

at least one third standard communication interface slot electrically connected to the third interface converter for electrically connecting at least one peripheral device to the computer system, wherein the at

least one third standard communication interface slot is in accordance with the specification of the third interface.

22. (new) The computer system of claim 21 wherein the third interface converter is a  
5 RAID controller or a SCSI controller.

23. (new) An extendable computer system comprising:

a motherboard for maintaining the functionality of the computer system, the  
motherboard comprising:

10 a system chipset for supporting a specification of a first interface;  
at least one first standard communication interface slot electrically connected  
to the system chipset for electrically connecting at least one peripheral  
device to the computer system; and

15 a first extending port electrically connected to the system chipset for  
extending functionality of the motherboard; and

an extended board capable of electrically connecting to the motherboard for  
extending the functionality of the computer system, the extended board  
comprising:

20 a second extending port capable of electrically connecting to the first  
extending port for electrically connecting the extended board to the  
system chipset of the motherboard, wherein at least one end of the  
second extending port is in accordance with the specification of the  
first interface;

25 a second interface converter electrically connected to the at least one end of  
the second extending port for converting the first interface into a  
second interface;

at least one second standard communication interface slot electrically  
connected to the second interface converter for electrically connecting

at least one peripheral device to the computer system, wherein the at least one second standard communication interface slot is in accordance with the specification of the second interface;

5 at least one switching circuit electrically connected to the second interface converter and the at least one second standard communication interface slot for performing Hot-Plug control and power management of the at least one second standard communication interface slot; and

10 at least one switching button electrically connected to the at least one switching circuit for controlling the at least one switching circuit to switch on or switch off the protocol, data signals, and power of the at least one second standard communication interface slot.

24. (new) An extendable computer system comprising:

15 a motherboard for maintaining the functionality of the computer system, the motherboard comprising:

a system chipset for supporting a specification of a first interface;

at least one first standard communication interface slot electrically connected to the system chipset for electrically connecting at least one peripheral device to the computer system; and

20 a first extending port electrically connected to the system chipset for extending functionality of the motherboard, the first extending port comprising at least one first power management end set electrically connected to the system chipset of the computer system for transmitting at least one power management signal and at least one monitoring signal; and

25 an extended board capable of electrically connecting to the motherboard for extending the functionality of the computer system, the extended board comprising:

5 a second extending port capable of electrically connecting to the first extending port for electrically connecting the extended board to the system chipset of the motherboard, wherein at least one end of the second extending port is in accordance with the specification of the first interface;

10 a second interface converter electrically connected to the at least one end of the second extending port for converting the first interface into a second interface;

15 at least one second standard communication interface slot electrically connected to the second interface converter for electrically connecting at least one peripheral device to the computer system, wherein the at least one second standard communication interface slot is in accordance with the specification of the second interface; and

20 at least one switching circuit, for performing Hot-Plug control and power management of the at least one second standard communication interface slot, electrically connected to:

the second interface converter and the at least one second standard communication interface slot; and

the at least one first power management end set through at least one second power management end set of the second extending port;

25 wherein the system chipset is capable of controlling and monitoring the Hot-Plug control and the power management of the at least one second standard communication interface slot with the at least one switching circuit, and the second interface converter is capable of controlling the at least one switching circuit with a protocol of the second interface to switch on or switch off the protocol and data signals of the at least one second standard communication interface slot when receiving the at least one power

Appl. No. 10/707,860  
Amdt. dated September 26, 2006  
Reply to Office action of June 29, 2006

management signal.